



# California Regional Water Quality Control Board

## San Francisco Bay Region



Linda S. Adams  
Secretary for  
Environmental Protection

1515 Clay Street, Suite 1400, Oakland, California 94612  
(510) 622-2300 • Fax (510) 622-2460  
<http://www.waterboards.ca.gov/sanfranciscobay>

Arnold Schwarzenegger  
Governor

Date: JAN 11 2007  
File No. 01-3554 (ccm)

Mr. James Doten  
347 Del Amigo Road  
Danville, CA 94526

Subject: Closure Letter for 2598-2600 Shattuck Avenue, Berkeley, Alameda County

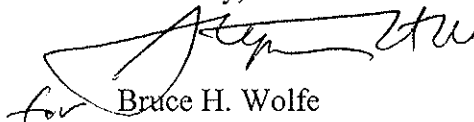
Dear Mr. Doten:

This letter confirms the completion of a site investigation and corrective action for the above and underground storage tank(s) formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required. This notice is issued pursuant to subdivision (g) of Section 25296.10 of the Health and Safety Code.

Please contact our office if you have any questions regarding this matter.

Sincerely,

  
for Bruce H. Wolfe  
Executive Officer

Enclosure





# California Regional Water Quality Control Board

## San Francisco Bay Region



Linda S. Adams  
Secretary for  
Environmental Protection

1515 Clay Street, Suite 1400, Oakland, California 94612  
(510) 622-2300 • Fax (510) 622-2460  
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File No. 01-3554 (ccm)

Mr. James Doten  
347 Del Amigo Road  
Danville, CA 94526


Subject: Closure Letter for 2598-2600 Shattuck Avenue, Berkeley, Alameda County

Dear Mr. Doten:

Attached please find the uniform underground storage tank closure letter and the site closure summary for the subject site. This case closure has been granted regarding petroleum hydrocarbon releases from the underground storage tank formerly at the site.

If you have any questions, please contact Cherie McCaulou of my staff at (510) 622-2342 or [cmccaulou@waterboards.ca.gov](mailto:cmccaulou@waterboards.ca.gov).

Sincerely,



Bruce H. Wolfe  
Executive Officer

Enclosures: Closure Letter and Site Closure Summary

cc: SWRCB  
Clean Water Programs  
1001 "I" Street  
Sacramento, CA 95814

City of Berkeley  
Toxics Management Division  
Attn: Geoffery Fiedler  
2118 Milvia Street, Suite 200  
Berkeley, CA 94704

Berkeley Honda  
Attn: Mr. Steve Haworth  
2600 Shattuck Avenue  
Berkeley, CA 94704

Havens Foundation Trust  
Attn: Mr. John Ward  
P.O. Box 63939  
San Francisco, CA 94163

# CITY OF BERKELEY SITE CLOSURE SUMMARY

## I. AGENCY INFORMATION

Date: May 9, 2006

Agency Name: <b>Toxics Management Division</b>	Address: <b>2118 Milvia Street, Suite 200</b>
City/State/Zip: <b>Berkeley, CA 94704</b>	Phone: <b>(510) 981-7460</b>
Responsible Staff Person: <b>Geoffery Fiedler</b>	Title: <b>Hazardous Materials Specialist II</b>

## II. SITE INFORMATION

Site Facility Name: Berkeley Honda				
Site Facility Address: 2600 Shattuck Avenue				
RB LUSTIS Case No.:	Local or LOP Case No.: SHA2600	Priority:		
URF Filing Date: 4/25/06	SWEEPS No.:			
Responsible Parties (include addresses and phone numbers)  Individual is Primary RP: James Doten, 347 Del Amigo Road, Danville, CA 94526. Telephone: 510.305-7545.  Secondary RP: Berkeley Honda at 2600 Shattuck Ave., Berkeley, CA 94704. Telephone Steve Haworth at (510)834-3704.  Property Owner: Havens Foundation Trust, P.O. Box 63939, San Francisco, CA 94163 Telephone John Ward at 415/396-3019.				
Tank No.	Size in Gallons	Contents	Closed In—Place/Removed?	Date
1	1,000	Gasoline	Removed	4/25/06

## III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Presumably from leaks from multiple holes in UST		
Site characterization complete? Yes	Date Approved By Oversight Agency:	
Monitoring wells installed? No	Number: 0	Proper screened interval? N/A
Highest GW Depth Below Ground Surface: ft	Lowest Depth: ft	Flow Direction: Assume SW
Most Sensitive Current Use: Potential irrigation		
Most Sensitive Potential Use:		
Are drinking water wells affected? No	Approximate Yield:                      gpd. T.D.S.: ppm	
Is surface water affected? No	Nearest SW Name:	
Off-Site Beneficial Use Impacts (Addresses/Locations): none		
Report(s) on file? Yes	Where are reports filed? City of Berkeley, Toxics Division	

### III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Treatment and disposal of affected material			
Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	1 each 1,000 gal capacity	Recycled at Circosta Iron and Metal, Inc, of San Francisco, CA. Buy # 232809	4/25/06
Piping	1 pipe run	Cut, removed to east edge of excavation, and capped. Piping presumably remains under sidewalk and runs about 10 feet before turning 90 degrees and going beneath former dispenser location just inside building.	4/25/06
Free Product	None		
Soil	75 tons	Transported to Forward Landfill, Manteca, CA as Non-hazardous waste	5/3/06
Groundwater	None		
Barrels	None		

#### Maximum documented pollutant concentrations before and after cleanup

	Soil (ppm)		Water (ppm)			Soil (ppm)		Water (ppm)	
	Before	After	Before	After		Before	After	Before	After
MTBE	ND	ND<0.05			Ethyl-benzene	ND<0.25	ND<0.005		
Benzene	ND	ND<0.005			Xylenes	2.5	ND<0.005		
Gasoline	810	ND<1.0							
Diesel	NA	NA							
Toluene	1.5	ND<0.005							

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes		
Does corrective action protect public health for current land use? Yes		
Site Management Requirements: The Toxics Management Division will place a note in the building permit application system. Building permit applications will be reviewed for underground work, excavation, and dewatering activities. Additional project costs for mitigations may be incurred as a result. Hourly fees for the Toxics Division review of plans will also apply.		
Monitoring Wells Decommissioned: 0	Number Decommissioned: 0	Number Retained: 0
List Enforcement Actions and NOV's issued: N/A		
List Enforcement Actions and NOV's rescinded: N/A		

#### IV. TECHNICAL REPORTS, CORRESPONDENCE ETC. THAT THIS CLOSURE RECOMMENDATION WAS BASED UPON

1. Underground Storage Tank Removal and Overexcavation Report dated May 7, 2006 by L&W Construction Services, Inc.
2. Phase I Environmental Site Assessment Report dated December 22, 2005 by LandAmerica.Assessment Corporation
3. Phase II Limited Subsurface Investigation Report dated March 15, 2006 by LandAmerica.Assessment Corporation
4. Supplementary Subsurface Investigation Report dated April 20, 2006 by LandAmerica.Assessment Corporation

#### V. ADDITIONAL COMMENTS, DATA, ETC.

**Property Transaction:** The removed 1,000-gallon UST was located during due diligence for a potential sale of the subject site by the Havens Foundation Trust to J. Anthony Kershaw. Subsurface investigations were also performed for the property transaction as described in the documents listed above. The investigations evaluated conditions near the UST, other former USTs, and hoists.

**Site Maps and Data Tables:** The location of the subject UST/dispenser, other removed USTs and soil borings are shown on the attached maps. Tabulated soil and groundwater data is also attached.

**Tank History:** The 1,000-gallon gasoline UST was installed in 1950 by Fidelity Motors/James Doten under their former lease. The tank was no longer used by 1969 when a new 1,000-gallon gasoline UST was installed at the corner of Parker and Shattuck (Berkeley Fire Department notes from April 25, 1969 checked new UST for backfill). The attached LandAmerica reports suggest that this other gasoline tank and other tanks previously at the site have apparently been removed.

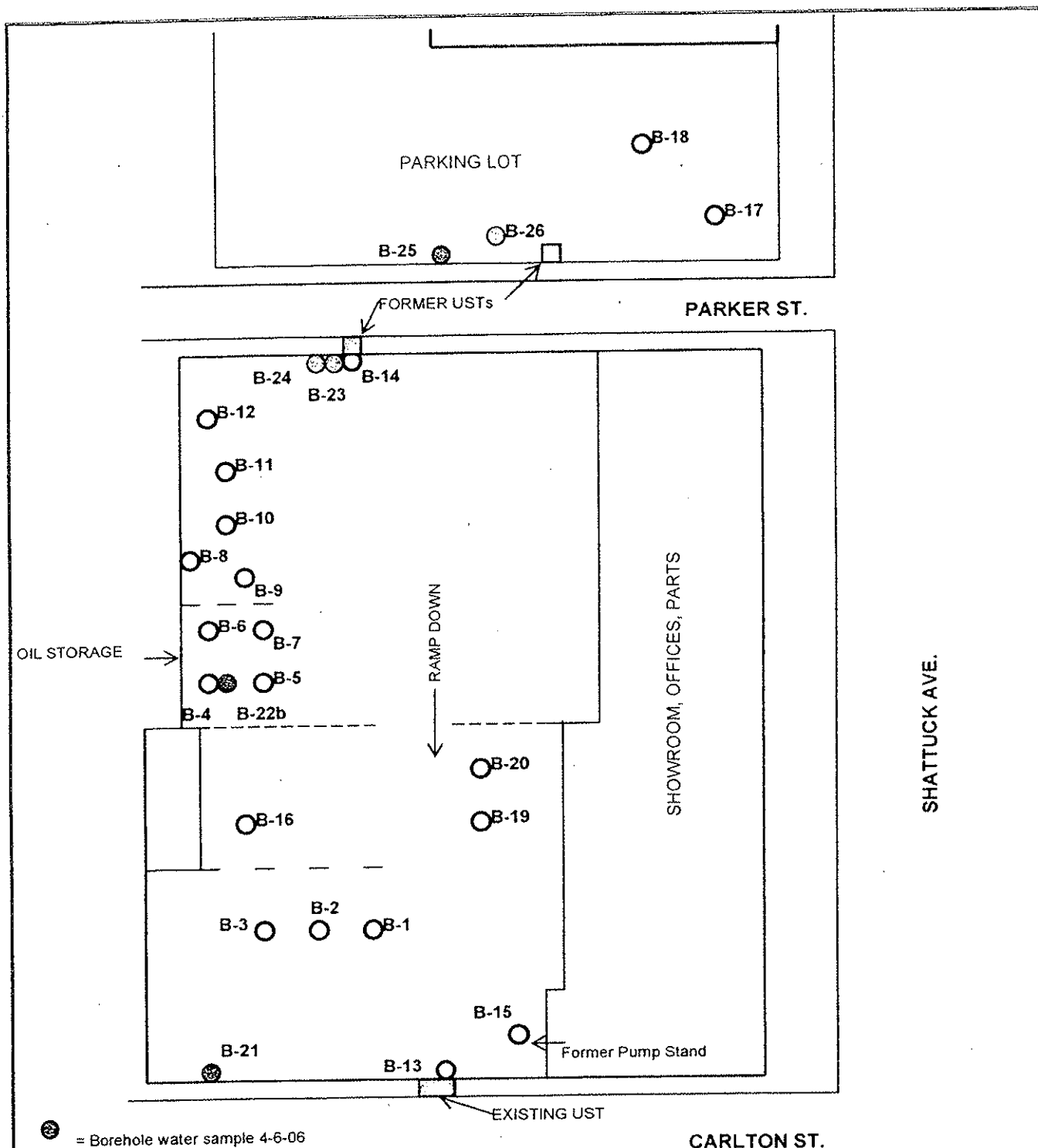
**Soil Removal:** During the UST removal approximately 75 tons of impacted clayey soil was removed to provide source removal. While hydrocarbons were detected beneath the tank at 8 ft depth (810 mg/kg TPHg) and at lower concentrations at 12 ft depth (76 mg/kg), no hydrocarbons were detected in three soil samples from beneath the tank at 13.5 ft depth. The clayey soil apparently helped contain the released hydrocarbons, and the soil removal provided significant removal of the hydrocarbon source.

**Residual Hydrocarbons:** Residual hydrocarbons are likely present at approximately 6 to 12 ft depth in the excavation sidewalls, especially within the southern sidewall. The southern sidewall was located at the curb line of Carleton Street, which limited additional overexcavation in this direction. The excavation was extended to the north, west and east to remove additional impacted material as directed by the Toxics Management Division (TMD).

**Soil and Groundwater Assessment:** LandAmerica's attached reports document soil and groundwater sampling beneath the former dispenser and nearby the former UST (as well as sampling near other former USTs and existing hoists for VOCs, PAHs and PCBs). For boring B-15 located beneath the former dispenser (for former 1,000-gallon UST along Carleton Street), no VOCs or PCBs were detected in soil. Low concentrations of VOCs were detected in soil and groundwater 10 feet north of the UST (boring B-13), including 9.3 micrograms per liter (ug/l) benzene and 1.3 ug/l methyl tertiary butyl ether (MTBE) in groundwater. For boring B-21 approximately 90 feet east of the UST, the only VOC detected was 1,2-dichloroethane, at a concentration of 14 ug/l. Borings logs are attached. The presence of MTBE is not likely associated with the removed UST since MTBE use commenced in the 1980's and the UST was reportedly not used after 1969. Soil and groundwater analytical results are summarized in the attached reports. The analytical results are also compared to environmental screening levels (ESLs) established by the Regional Water Quality Control Board – San Francisco Bay Region.

**No Further Action and Post-Closure Measures:** No Further Action is merited for the removed 1,000-gallon UST along Carleton Street. The TMD will place a note in the building permit application system. Building permit applications will be reviewed for underground work, excavation, and dewatering activities.

Revised 11/04



## BORING LOCATION MAP

DRAWING NOT TO SCALE

N↑



Commercial Services

Site Name:

Berkeley Honda  
2598-2600 Shattuck Ave.  
Berkeley CA

Project Number:

05-33422.3

**TABLE 1**  
**LABORATORY ANALYTICAL RESULTS (SOIL)**  
**Berkeley Honda**  
**2600 Shattuck Avenue, Berkeley California**  
**Project No. 05-33422.2**

Soil Sample Number	VOC EPA 8260	PAH EPA 8310	PCB EPA 8082
B-1 @ 10ft	ND	NA	ND
B-2 @ 6ft	ND	NA	ND
B-3 @ 10ft	ND	NA	ND
B-4 @ 10ft	See Table 2	ND	ND
B-5 @ 10ft	ND	ND	ND
B-6 @ 10ft	ND	ND	ND
B-7 @ 10ft	ND	ND	NA
B-8 @ 10ft	ND	ND	NA
B-9 @ 10ft	ND	ND	NA
B-10 @ 10ft	ND	ND	NA
B-11 @ 10ft	ND	ND	NA
B-12 @ 10ft	ND	ND	NA
B-13 @ 10ft	See Table 2	NA	NA
B-14 @ 10ft	ND	NA	NA
B-15 @ 10ft	ND	NA	ND
B-16 @ 10ft	ND	NA	ND
B-17 @ 9.5ft	ND	NA	NA
B-18 @ 9ft	ND	NA	NA
B-19 @ 8ft	ND	NA	ND
B-20 @ 8ft	ND	NA	ND

Concentrations in micrograms per kilogram (ug/kg)

ND – not detected

NA – not analyzed



TABLE 2  
LABORATORY ANALYTICAL RESULTS (SOIL)

Berkeley Honda  
2600 Shattuck Avenue, Berkeley, California

Project No. 05-33422.2

Soil Sample Number	Ethylbenzene	Xylenes	Naphthalene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Isopropylbenzene	n-Butylbenzene	n-Propylbenzene	p-Isopropyltoluene
B-4 @ 10 ft	41	158	56	100	ND	ND	ND	ND	ND
B-13 @ 10 ft	ND	ND	ND	ND	88	216	435	668	88
SFRWQCB ESL	32,000	11,000	460	NE	NE	NE	NE	NE	NE

ND - not detected

NE - not established

Concentrations in micrograms per kilogram (ug/kg)

SFRWQCB ESL - San Francisco Regional Water Quality Control Board, Environmental Screening Levels (Residential Land Use)

TABLE 3  
LABORATORY ANALYTICAL RESULTS (GROUND WATER)

Berkeley Honda  
2600 Shattuck Avenue, Berkeley, California

Project No. 05-33422.2

Ground Water Sample Number	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Isopropylbenzene	n-Butylbenzene	n-Propylbenzene	p-Isopropyltoluene	sec-Butylbenzene	1,3,5-Trimethylbenzene
B-13 Water	9.3	ND	ND	ND	1.3	15	28	35	7.1	5.1	7.4
B-14 Water	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-18 Water	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SFRWQCB ESL**	46	11,000	460	NE	1,800	NE	NE	NE	NE	NE	NE

Concentrations in micrograms per liter (ug/l)

ND -- not detected

NA -- not analyzed

NE - not established

MTBE = Methyl Tertiary Butyl Ether

\*\* = Where groundwater is not a potential source of drinking water.

SFRWQCB ESL - San Francisco Regional Water Quality Control Board, Environmental Screening Levels, from "Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Lookup Tables" Interim Final, February 2005

**TABLE 2**  
**LABORATORY ANALYTICAL RESULTS (GROUND WATER)**

Berkeley Honda  
2600 Shattuck Avenue, Berkeley, California

Project No. 05-33422.3

Ground Water Sample Number	TPH - Hydraulic Oil	TPH - Motor Oil	1,2-Dichloroethane	other VOCs
B-21 Water	NA	NA	14	ND
B-22 Water	ND	ND	ND	ND
B-25 Water	NA	NA	ND	ND
SFRWQCB ESL**	640	640	200	various

Concentrations in micrograms per liter (ug/l)

ND – not detected

NA – not analyzed

TPH - total petroleum hydrocarbons

\*\* = Groundwater is not a potential source of drinking water.

SFRWQCB ESL - San Francisco Regional Water Quality Control Board, Environmental Screening Levels, from "Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Lookup Tables" Interim Final, February 2005

TABLE 4.  
LABORATORY ANALYTICAL RESULTS (SOIL)

Berkeley Honda  
2600 Shattuck Avenue, Berkeley, California

Project No. 05-33422.2

Soil Sample Number	TPH - Diesel	TPH - Oil	TPH - Gasoline	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
B-21 @ 6'	ND	5.5	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B-22 @ 10'	27	45	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B-22 @ 15'	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B-23 @ 11'	ND	ND	ND	ND	6.3	126	ND	ND	41.3	136	16.4	8.03	ND	34.6	ND	ND	ND	45.7	47.2	ND
B-24 @ 15'	ND	ND	ND	ND	6.42	131	ND	ND	41.5	8.52	17	7.15	1.18	36.9	ND	ND	ND	43.3	50.2	ND
B-25 @ 14'	ND	5.6	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B-26 @ 12'	ND	9.4	6.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SFRWQCB ESL	500	1,000	400	280	5.5	2,500	36	38	58	10	5,000	750	3,600	1,000	2,500	2,500	47	5,000	5,000	98

ND - not detected

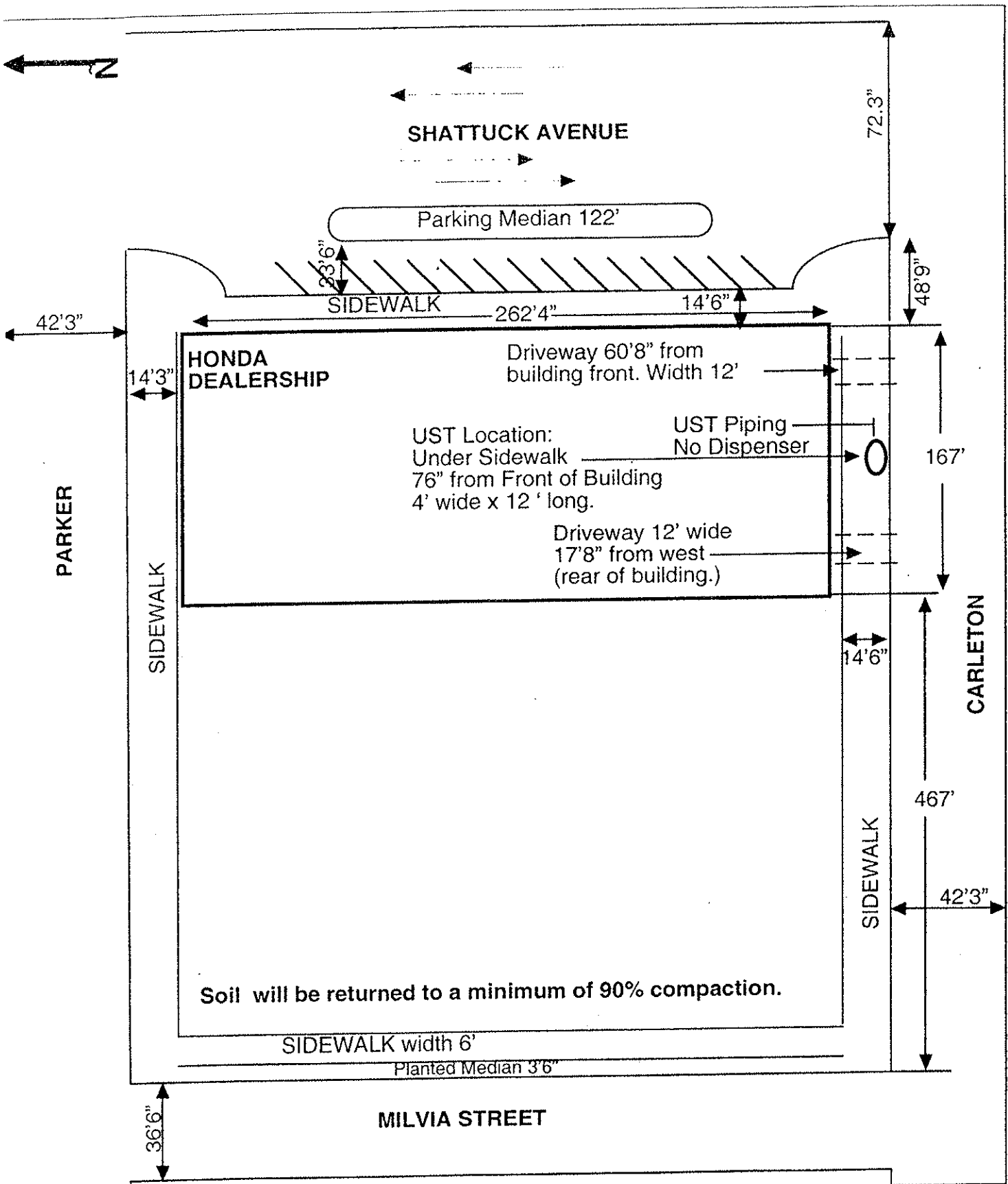
NE - not established

TPH and metals concentrations in milligrams per kilogram (mg/kg)

Volatile organic compounds (VOCs) were not detected in the soil samples.

Shaded concentrations exceed the soil standards.

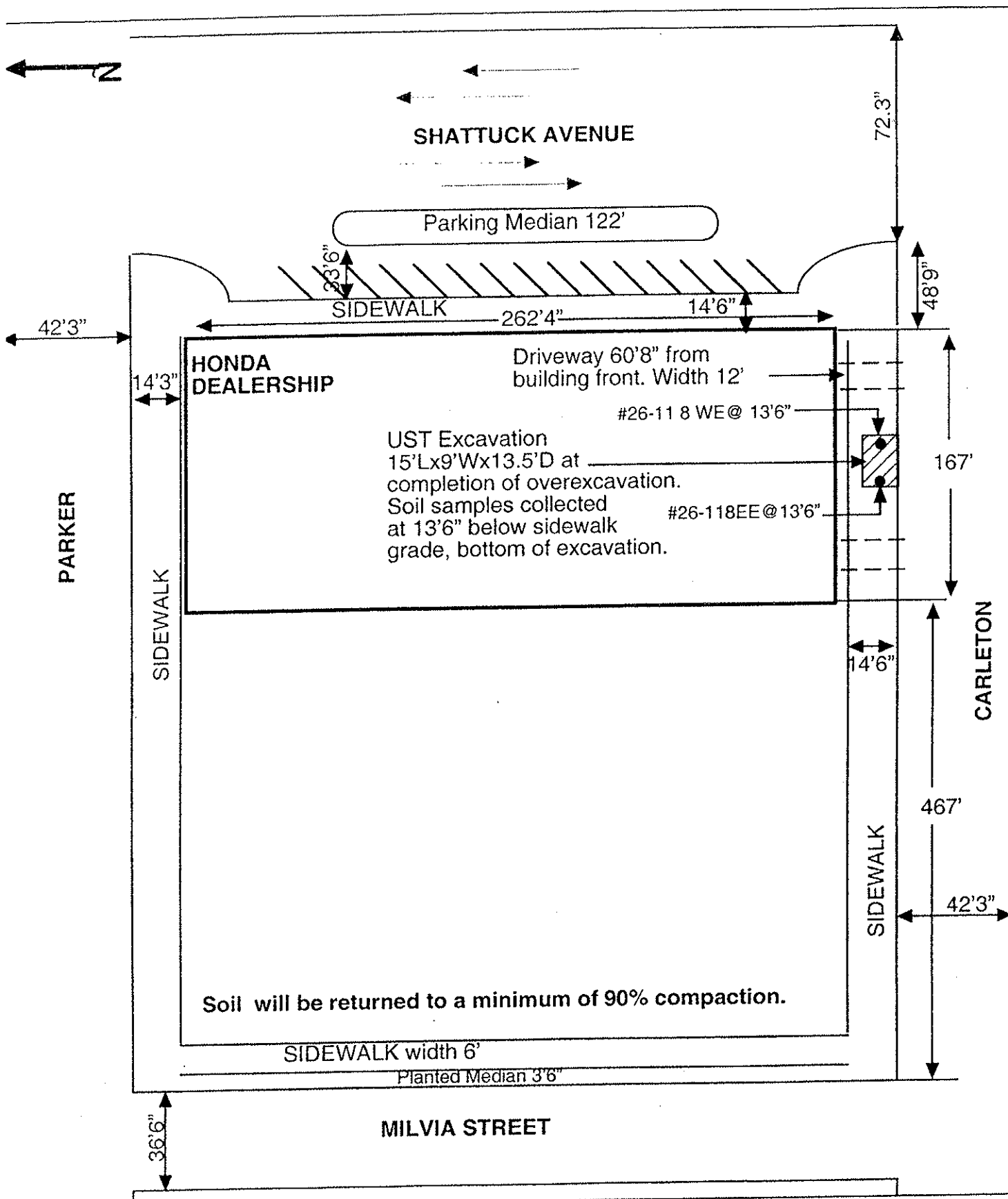
SFRWQCB ESL - San Francisco Regional Water Quality Control Board, Environmental Screening Levels (Industrial/Commercial Land Use) for Deep Soil (>3 meters)



L&W Construction Services, Inc.  
5200 Redwood Hwy. S.  
Petaluma, CA 94952

Project: #26-118  
Date: 3/15/06

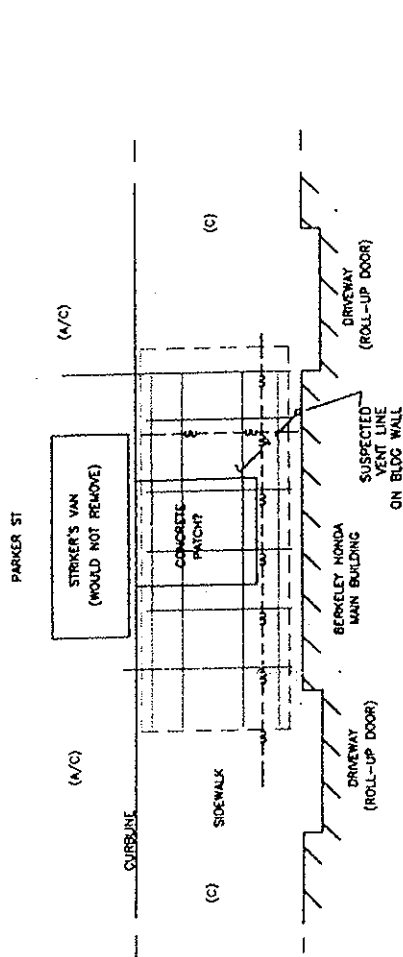
Site Address:  
2600 Shattuck Avenue  
Berkeley, California



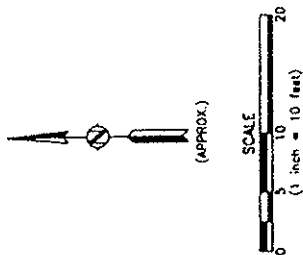
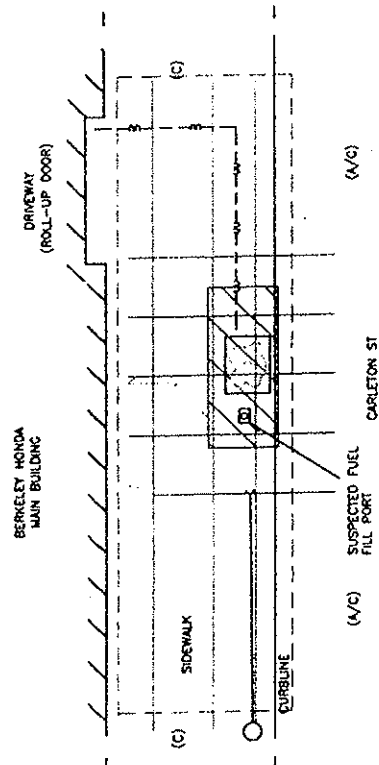
L & W Construction Services, Inc.  
5200 Redwood Hwy. S.  
Petaluma, CA 94952

Figure 3  
Project: #26-118  
Date: 3/15/06

**UST Excavation and  
Sampling Locations  
2600 Shattuck Avenue  
Berkeley, California**



PARKER STREET SIDEWALK SURVEY  
 CARLETON STREET SIDEWALK SURVEY



LEGEND	
---	LIMITS OF GEOPHYSICAL SURVEY
---	UNKNOWN-TYPE UTILITY
---	SUSPECTED FUEL PRODUCT LINE
---	NATURAL GAS LINE
---	VENT LINE
---	GROUND PENETRATING RADAR (GPR) TRAVERSE
---	GPR ANOMALY REPRESENTING SUSPECTED UNDERGROUND STORAGE TANK (UST)
---	GPR ANOMALY TYPICAL OF SMALL LOCALIZED OBJECT OR POSSIBLE UTILITY SEGMENT
---	UTILITY POLE (AND GUY WIRE)
(A/C)	ASPHALT
(C)	CONCRETE
---	TREE

		GEOPHYSICAL SURVEY MAP BERKELEY HONDA - 2598 SHATTUCK CARLETON AND PARKER ST. SIDEWALKS LOCATION: BERKELEY, CALIFORNIA	
		CLIENT: LAND AMERICA COMMERCIAL SERVICES ADVANCED GEOLOGICAL SERVICES, INC. DRAWN BY: D. JONES APPROVED BY: D. JONES	FIGURE 2
PROJECT #: DATE:	06-123-1CA FEB. 2006		

City of Berkeley  
HEADQUARTERS OF THE FIRE DEPARTMENT

City Hall

46 N<sup>o</sup> 205

Berkeley, September 15, 1950

Fidelity Motors

2600 Shattuck Avenue  
Service Dept. on Carleton St.)

Replacement of 285 gallon tank

is granted permission to use 1 - 1000 gallons of  
gasoline on condition that the storage will not exceed above gallonage at any time.

This permit is good only for the person to whom issued at the location named herein, in accordance  
with all Ordinances of the City Council.

INSTALLATION TO BE —

1. Pump job.
2. ~~Remove gas tank and install by means of a pump~~
3. ~~Underground piping~~

This tank (storage) must be  
removed if and when it is ever  
abandoned for the purpose intended.

INSTALLER:

NAME Berston Carst. Co.

ADDRESS 2530 E 22<sup>nd</sup> St

Building permit No. \_\_\_\_\_

9/17/50

OK'd by Asst. Chief

252.39 2.5C 7-46

CITY OF BERKELEY

Date 1-25-51

To: Fire Chief  
Police Chief  
Zoning Analyst  
Treasurer

The following permits have been issued for Motor Vehicle Establishments.

Fidelity Motors	2600 Shattuck	\$ 140
John White	1719 University	141
Peter Satori	2611 Shattuck	142
J. Chase	2374 San Pablo	143
(Auto Wrecking)		

From:

Ross Miller, City Manager

For your files:

Please return to \_\_\_\_\_



Any existing tanks that are not being used shall be removed.

POST THIS PERMIT ON THE JOB

City of Berkeley  
HEADQUARTERS OF THE FIRE DEPARTMENT

Date 2-25-69

Permit No. 512

Permittee Fidelity Motors

Address 2600 Shattuck

City Berkeley

is granted permission for the underground installation and use of

<u>one 1,000</u>	gallons of	<u>gasoline</u>	Location	<u>underground of premise</u>
	gallons of		Location	
	gallons of		Location	
	gallons of		Location	
	gallons of		Location	
	gallons of		Location	

1,000  
(Total gallonage in use)

Corner of Parker & Shattuck (NE)  
Across from 2600 Shattuck Avenue  
(At the above address)

Storage will not exceed the above gallonage at any time.

This permit is good only for the person or persons to whom issued at the address named herein, in accordance with all ordinances of the City of Berkeley.

Installer name Robert J. Miller

Phone 01 3-3469  
Address 3281 Grove St. - Oakland

Approved by Fire Chief [Signature]

Permittee Signature [Signature]

Address 2600 Shattuck Ave. Berk

Phone 843-3704

Witnessed by [Signature]

Date 6-2-69

CONDITIONS

The permittee, its successors or assigns, hereby agrees to the following:

1. The entire installation shall be made in accordance with all local laws and ordinances, and to the satisfaction of the Fire Chief.
2. If at any time the tank or tanks are no longer used for the permitted use, the said tank or tanks shall be removed without cost or expense to the City of Berkeley.
3. If at any time the tank or tanks must be removed or relocated because of construction work in, under, on or along the street or sidewalk area by either the City or any public or private utility, the said tank or tanks shall be removed or relocated without cost or expense to the City of Berkeley or said utility.
4. If this permit is for a service station installation, the permission is granted with the understanding that the gasoline be delivered from dispensing devices only by the operators of such devices, their employees or authorized attendants.
5. This permit shall be in addition to and not in lieu of any other permit or permits required by any ordinances of the City of Berkeley.
6. This permit is revocable by the City upon thirty (30) days written notice. Upon such revocation said tank or tanks shall be removed forthwith without cost or expense to the City of Berkeley.

Completion of installation approved by [Signature]

Date 5/20/69

**BERKELEY FIRE DEPARTMENT**  
DIVISION OF FIRE PREVENTION

Location of premises: 2600 Shattuck  
Type of Occupancy: Fidelity Motors  
Owner or Agent: \_\_\_\_\_ Address: \_\_\_\_\_

CONDITIONS AND REMARKS	Date	Status	Inspector
Routine - see letter	3/13/67	C	Stal
4-30-67 Recheck - see check sheet	6-12-67	C	Stal
7-15-67 Recheck - see check sheet			
#9 only item not cleared - 45 days	11-7-67	C	Morris
11-30-67 Recheck all items OK	12-20-68	OK	Morris
Checked proposed location for reactivated safety pump. Verbal to Jim Moran, owner: ① New pump must have U.L. label ② tank must have air test for leaks ③ Protect pump against physical damage. Recommended that new tank and pump be relocated to vacant lot <del>on</del> across street because ① outside pump safer than existing pump inside building, ② existing tank under sidewalk needs replacement no permit could be <del>be</del> issued for new tank under sidewalk. If tank under sidewalk not to be used must be removed. Recheck 60 days			
2-11-68 Check new tank footprint	4/25/69	C	Morris
50K	5-26/69	OK	"
Positive - send tip - ① recommend a water type extinguisher in front light. ② drop light in bike area need replacing (grounded 3 wires) con't.			

# SOIL SAMPLING DATA - TABLE ONE

Underground Storage Tank Site Address: 2600 SHATTUCK AVENUE, BERKELEY, CALIFORNIA

Laboratory Results expressed in mg/Kg, unless otherwise specified													
Description Sample ID (Specify location; i.e., tank, pipe, stockpile) and number	Sample Depth (Indicate Depth of sample from grade)	Media (soil / water)	Date (Date sample was collected)	Soil Type (specify if sand, clay, fill, etc.)	TPHg	TPHd	B	T	E	X	MTBE	Volatile Organics 8010	LEAD
TANK RINSATE 26-118-TR	FROM TANK CLEANING	WATER	4/18/06	RINSE WATER	NT	ND	NT	NT	NT	NT	NT	NT	NT
TANK EXCAVATION WEST END WE-8'	8 FEET	SOIL	4/21/06	TIGHT CLAY	810	NT	ND	1.5	ND	2.5	ND	NT	52
TANK EXCAVATION WEST END WE-12'	12 FEET	SOIL	4/21/06	TIGHT CLAY	76	NT	ND	0.14	ND	0.23	ND	NT	6.3
TANK EXCAVATION WEST END WE-13'6"	13.5 FEET	SOIL	4/21/06	TIGHT CLAY	ND	NT	ND	ND	ND	ND	ND	NT	ND ≤5.0
TANK EXCAVATION WEST END #26-118WE@13'6"	13.5 FEET	SOIL	4/25/06	TIGHT CLAY	ND	NT	ND	ND	ND	ND	ND	NT	NT
TANK EXCAVATION EAST END #26-118 EE@13'6"	13.5 FEET	SOIL	4/21/06	TIGHT CLAY	ND	NT	ND	ND	ND	ND	ND	NT	NT

TPHd = Total Petroleum Hydrocarbon as diesel  
 TPHg = Total Petroleum Hydrocarbon as gasoline  
 BTEx = Benzene, Toluene, Ethylbenzene, Xylenes  
 ND Not Detected  
 NT Not Tested

## BORING B-21

### Southwestern Corner of Garage

PROJECT: Berkeley Honda 05-33422.3		DATE: 04-06-06		
CLIENT: Kershaw Investments, Berkeley, CA		DRILLED BY: Resonant Sonic International		
LOCATION: 2600 Shattuck Avenue, Berkeley, CA		BORING METHOD: 2" Dia. Geoprobe, Ford F550, Power Probe 9630		
GEOLOGIST: Gary Halbert		SAMPLING METHOD: Continuous Acetate Sleeve		
ELEV. GL:	ELEV. TOC:	INITIAL WL: None	STATIC WL: NA, (16.5 sample)	TD: 24 ft

DEPTH FEET	CORE RECOVERY	SAMPLE ID	USCS	SAMPLE/CORE DESCRIPTION	PID (PPM)
0-4	14"		CH	0-1 FT, CONCRETE FLOOR AND GRAVEL BASE	0
				1-4 FT, CLAY, BROWN, MOIST, HARD	0
4-8	48"	B-21 @ 6 FT 8:45 AM	CH	4-6 FT, SAME AS ABOVE,	0
				6-8 FT, GRADING SILTY, wet by 8 ft	25 0
8-12	48"		CH	8-12 FT, SILTY CLAY, BROWN, WET, STIFF	0 0
12-16	48"		CH	12-15 FT, SAME AS ABOVE	8 0
16-20	48"		CL	16-18 FT, SANDY CLAY with SILT, YELLOW BROWN, WET	0
			ML	18-20 FT CLAYEY SILT, YELLOW BROWN, WET, SOFT	0
20-24	48"		CL	20-22 FT, SANDY CLAY with SILT, LIGHT YELLOW BROWN, WET	0
			SC	22-24 FT, CLAYEY SAND with SILT & GRAVEL, YELLOW BROWN, WET, DENSE	0
		9:00 AM		Terminated at 24 feet; Wet soil encountered at 8 feet, no free groundwater initially at 9:00 AM, Installed 1" dia. PVC screen, Groundwater rose to 16.5 feet by 2:15 PM, Sampled groundwater with peristaltic pump Boring sealed with bentonite/cement slurry and capped with concrete PID = Photo-ionization Detector, MinRae 2000, Environmental Instruments; USCS = Unified Soil Classification	